



Metcalf & Eddy

An Air & Water Technologies Company

US EPA RECORDS CENTER REGION 5



501451

June 7, 1995

Delivered Via Facsimile and Certified Mail
Return Receipt Requested

Mr. Edward J. Hanlon, Project Coordinator
U.S. Environmental Protection Agency, Region 5
Office of Superfund, Remedial & Enforcement Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Subject: Granville Solvents Site Removal Action Monthly Report - May 1995

Dear Mr. Hanlon:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy, Inc. submits the May 1995 Monthly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA
Mr. Mike Anastasio, U.S. EPA
Mr. Fred Myers, Ohio EPA

As you requested, a copy of this monthly report and future deliverable documents will be forwarded to Mr. Doug Plunkett, Village Manager, Village of Granville.

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890-5501.

Respectfully,

METCALF & EDDY, INC.

Gerald R. Myers
Vice President/Project Coordinator

cc: B. Pfefferle, Chairman - GSS PRP Group
M. Raimonde, M&E

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**GRANVILLE SOLVENTS SITE
REMOVAL ACTION**

**MONTHLY REPORT
MAY 1995**

This monthly report meets the requirement set forth in the Administrative Order on Consent (AOC, September 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group in Section 2.5 - Reporting. The AOC requires the submission of a monthly written progress report concerning actions undertaken pursuant to the AOC.

I. PROGRESS MADE DURING REPORTING PERIOD

Source Area Groundwater Control

The groundwater pumping and treatment system operated for a total of 735.83 hours (98.9% of the total time available) during the month of May. The system processed approximately 11 million gallons of water during May. Since operation began, the system has processed more than 52 million gallons of water. During the reporting period, a brief system shutdown occurred for approximately 8.17 hours as a result of increased pressure differential across the bag filters from the accumulation of particulates. Scheduled maintenance was performed on the treatment system to ensure peak operation and treatment of the extracted water which included replacement of the bag filters, lubrication of the motors, checking the control panel and level sensors, and checking the trays inside the stripper for excess iron buildup.

Water samples were collected from the system's influent and effluent sampling ports on May 17, 1995. The analytical results are presented in Table 1.

TABLE 1

<u>VOCS</u>	<u>INFLUENT</u>	<u>EFFLUENT</u>
1,1,1-trichloroethane	28 µg/l	0.4 ^j µg/l
cis-1,2-dichloroethene	15 µg/l	1 µg/l
tetrachloroethene	66 µg/l	1 µg/l
trichloroethene	41 µg/l	1 µg/l

^j - The mass spectrum indicates the presence of the compound, but the calculated result is less than the method specified reporting limit. The reported level of 1,1,1-trichloroethane in the effluent sample is below the Federal and State Drinking Water Level (MCL) of 200 µg/l.

Assuming that the samples above represent typical influent and effluent water and that a total of 10,993,350 gallons of water were processed, approximately 0.44 lbs/day of VOCs were discharged to the air during the month of May.

Currently GSS-EW1 and GSS-EW2 are operating at approximately 158 gallons per minute (gpm) and 91 gpm, respectively.

Air samples were collected during the reporting period as described in the Air Monitoring Plan.

Responses to the U.S. EPA comments received on March 14, 1995, were submitted to the U.S. EPA on May 19, 1995. The response report addressed responses to U.S. EPA comments, the Removal Action Work Plan, and the Aquifer Pumping Test Report submitted on January 31, 1995, to the U.S. EPA.

Wellhead Treatment at Village Well PW-1

Several wellhead treatment concept scenarios and alternatives are being evaluated. The Interim Engineering Evaluation and Alternative Assessment for GSS is being developed. The report document will discuss and evaluate several alternatives.

Source Area Soils

Soil data needs for engineering evaluation and design are being identified for the Source Area Soils at the GSS. A preliminary sampling plan to collect soil data is being developed.

Active or Completed Tasks

The following specific tasks were also completed during the reporting period:

- Collected water samples on May 17, 1995, from the treatment system influent and effluent sampling ports.
- Collected ambient air samples from nine air monitoring stations surrounding the Site on May 18, 1995.
- Data needs for the Engineering Evaluation Alternative Assessment for the Source Area Soils are being identified.
- Preliminary evaluation of technologies for Source Area Soils for soil remediation are being conducted.
- Several different wellhead protection and alternative scenarios for the wellhead protection system are being evaluated.
- Risk-based Preliminary Remediation Goals (PRGs) are being developed.
- Preliminary development of a work plan is underway to obtain additional soil data which will be used to assist with the design of a remedial soil alternative.

II. DELIVERABLES (THIS PERIOD AND NEXT PERIOD)

CURRENT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Removal Action Work Plan	May 19, 1995	May 19, 1995
Responses to U.S. EPA Comments received on March 14, 1995	May 19, 1995	May 19, 1995
May Monthly Report	June 7, 1995	June 7, 1995

NEXT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Response to U.S. EPA Comments Dated May 12, 1995	June 12, 1995	
June Monthly Report	July 11, 1995	

III. DIFFICULTIES ENCOUNTERED AND REMEDIAL ACTIONS TAKEN THIS PERIOD

- No difficulties were encountered during this reporting period.

IV. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

During the next reporting period, the following tasks are scheduled to be performed:

- Sample treatment system influent/effluent water.
- Collect samples from air monitoring stations.
- Continue evaluation of remedial technologies for the Source Area Soils.
- Continue evaluation of wellhead treatment concepts.
- Scheduled maintenance of the system which will include the following:
 - acid treatment of the air stripper
 - lubricate all the motors
 - remove and check level sensor
 - confirm and/or calibrate pumping rates of the extraction pumps
 - replace bag filters as needed

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